



## SAFETY DATA SHEET 421: READY TO USE

Conforms to 1910.1200

Issued: Aug. 30, 2016

Supersedes: May 27, 2015

### CLS TOPSHIELD

#### 1: PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** CLS TopShield - Stain Resistant Top Shield **Product Number:** 421

**Recommended Use:** Densifier for concrete  
Ready to Use  
Product intended for commercial and industrial use only.

**Uses Advised Against:** Other than per labelled instructions

**Manufacturer Address:**

Amano Pioneer Eclipse Corporation  
P.O. Box 909  
1 Eclipse Road  
Sparta, NC 28675  
Telephone: 1-336-372-8080  
Email: sds@pioneereclipse.com  
Internet: www.pioneereclipse.com

**FOR CHEMICAL EMERGENCY:** Spill, Leak, Fire, Exposure or Accident. Call CHEMTREC Day or Night.  
Within USA and Canada 1-800-424-9300. Outside USA and Canada 1-703-527-3887 (collect calls accepted)

#### 2: HAZARDS IDENTIFICATION

**Classification:** Skin Irritation - Category 2  
Eye Irritation - Category 2  
Specific Target Organ Toxicity (Single Exposure) - Category 3 (Inhalation)

**Signal Word:** WARNING

**Pictogram:**



**Hazard Statements:**

Causes skin irritation.  
Causes serious eye irritation.  
May cause respiratory irritation

**Precautionary Statements:**

Avoid breathing dust/fume/gas/mist/vapours/spray.  
Wash thoroughly after handling.  
Use only outdoors or in a well-ventilated area.  
Wear protective gloves and eye protection.  
Call a POISON CENTER/doctor if you feel unwell.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
If skin irritation occurs: Get medical advice/attention.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Take off contaminated clothing and wash it before reuse.  
If eye irritation persists: Get medical advice/attention.  
Store in a well-ventilated place. Keep cool.  
Store locked up.  
Dispose of contents/container in accordance with local/regional/national/international regulation.

**Other Hazards:** None known

**Supplemental Information:** None



## SAFETY DATA SHEET

### 421: READY TO USE

Conforms to 1910.1200

Issued: Aug. 30, 2016

Supersedes: May 27, 2015

**CLS TOPSHIELD**

### 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS Number	Weight % *
Silica-amorphous (colloidal)	7631-86-9	5 - 8
Proprietary Ingredient **	Not Specified	1 - 5
Proprietary Ingredient **	Not Specified	1 - 5

\* Exact concentration of the ingredients has been withheld as a trade secret.

\*\*Specific ingredient identity not provided by component manufacturer due to proprietary status. The manufacturer has provided ingredient classification.

### 4: FIRST AID MEASURES

#### DESCRIPTION OF FIRST AID MEASURES

**Eye Contact:** Flush eyes with plenty of water, for at least 15 minutes. If easy to do, remove contact lenses if worn. If irritation persists, seek medical attention.

**Skin Contact:** Wash with soap and plenty of water. If irritation persists, seek medical attention.

**Inhalation:** If breathing is difficult, remove subject to fresh air. If symptoms persist, seek medical attention.

**Ingestion:** Do not induce vomiting. Rinse mouth out with water. Seek medical advice.

#### MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

**Eye Contact:** Causes eye irritation.

**Skin Contact:** Causes skin irritation.

**Inhalation:** Spray mist may cause irritation to nose, throat and lungs.

**Ingestion:** May cause irritation to digestive tract.

#### INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Treat symptomatically.

### 5: FIRE-FIGHTING MEASURES

**Suitable Extinguishing media:** Water spray, CO<sub>2</sub>, dry chemical, alcohol-type or universal type foams

**Specific Hazards:** Alkaline liquid. Do not spray a solid stream of water or foam directly in hot liquid. This may cause frothing.

**Protective Equipment and Precautions:** Fire fighters should wear NIOSH approved breathing apparatus. Materials can splatter above 100° C / 212° F

### 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Put on personal protective equipment (see Section 8). Keep spectators away. Floors may be slippery: use care to avoid falling.

**Environment Precautions:** Keep spills and cleaning run-off out of sewers and open bodies of water.

#### CONTAINMENT AND CLEAN-UP

**Small Spills:** Absorb spill with inert material (e.g. sand, earth) and dispose of as waste material in accordance with local, state and federal regulations.

**Large Spills:** Dike and contain spill with inert material (e.g. sand, earth). Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for disposal.

**Waste Disposal:** Landfill or incinerate the contaminated solids and diking material in accordance with local, state and federal regulations. Non-salvageable liquid should be drummed and disposed of in accordance with local, state and federal regulations.

### 7: HANDLING AND STORAGE

**Precautions for Safe Handling:** Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Use in well-ventilated areas. Avoid breathing vapors or mists. Remove and wash contaminated clothing and footwear before re-use.

**Conditions for Safe Storage:** Storage temperature ( Max. 60°C/140°F - Min. 1°C/34°F)

**Other Information:** Keep from freezing. Keep container sealed when not in use. Keep out of reach of children.



# SAFETY DATA SHEET

## 421: READY TO USE

Conforms to 1910.1200

Issued: Aug. 30, 2016

Supersedes: May 27, 2015

**CLS TOPSHIELD**

### 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Exposure Limits:

Ingredient	CAS Number	ACGIH		OSHA	
		TWA	STEL	TWA	STEL
Silica-amorphous (colloidal)	7631-86-9	10 mg/m <sup>3</sup>	N/E	10 mg/m <sup>3</sup>	N/E

**Engineering Controls:** Use only with adequate ventilation. Use local ventilation and other engineering controls to maintain airborne contaminants below established and recommended exposure limits. If this product contains ingredients with exposure limits, monitoring may be required to determine the effectiveness of ventilation and other control measures.

#### Personal Protective Equipment (PPE)

**Eye/Face Protection:** Safety eyewear is recommended, to avoid chemical splashes and mists.

**Skin Protection:** Chemical resistant gloves are recommended.

**Respiratory Protection:** Respiratory protection should be worn when there is a potential of inadequate ventilation. If exposure limits are exceeded or symptoms are experienced, use an approved respirator.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety practice.

### 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	milky, white liquid
<b>Odor:</b>	No fragrance added
<b>Odor Threshold:</b>	no data available
<b>pH:</b>	11.0
<b>Freezing Point:</b>	no data available
<b>Boiling Point:</b>	no data available
<b>Flash Point:</b>	>200°F / >93°C
<b>Evaporation Rate:</b>	less than water
<b>Flammability (solid/gas):</b>	not applicable to liquids
<b>Flammability limits:</b>	no data available
<b>Vapor Pressure:</b>	no data available
<b>Vapor Density:</b>	no data available
<b>Relative Density:</b>	9.2 lb/gal @ 68°F / 1.11 kg/l @ 20 °C
<b>Solubility:</b>	miscible in water
<b>Partition Coefficient:</b>	no data available
<b>Auto Ignition temperature:</b>	no data available
<b>Decomposition Temperature:</b>	no data available
<b>Viscosity:</b>	< 10 centipoise @ 68°F (20°C)
<b>VOC:</b>	< 50 g/L

### 10: STABILITY AND REACTIVITY

<b>Reactivity:</b>	Not reactive under normal conditions.
<b>Stability:</b>	Stable under normal conditions.
<b>Hazardous reactions:</b>	None expected.
<b>Conditions to avoid:</b>	None known.
<b>Incompatible materials:</b>	Do not mix with other chemicals unless stated on the product label.
<b>Hazardous decomposition products:</b>	None known.

### 11: TOXICOLOGICAL INFORMATION

**Acute Toxicity:** Not determined on product.

#### LOCAL EFFECTS

<b>Skin contact:</b>	Can cause skin irritation.
<b>Eye contact:</b>	Can cause eye irritation.
<b>Sensitization:</b>	None expected
<b>Chronic effects:</b>	None expected

#### SPECIFIC EFFECTS

<b>Carcinogenicity:</b>	None known
<b>Reproductive effects:</b>	None known
<b>Teratogenicity:</b>	None known
<b>Mutagenicity:</b>	None known



# SAFETY DATA SHEET

## 421: READY TO USE

Conforms to 1910.1200

Issued: Aug. 30, 2016

Supersedes: May 27, 2015

### CLS TOPSHIELD

#### COMPONENT INFORMATION

Component	LD50 Oral-Rat (mg/kg)	LD50 Dermal - Rabbit (mg/kg)	LC <sub>50</sub> Inhalation-Rat (mg/l)
Silica-amorphous (colloidal)	> 5000	not available	not available
Proprietary Ingredient	7640	not available	not available

**Carcinogenicity:** Components are not known to be classified as carcinogens. (IARC, NTP, OSHA).

#### 12: ECOLOGICAL INFORMATION

**Ecotoxicity:** Ecological testing has not been completed on the mixture.

**Persistence and Degradability:** Data not available.

**Bioaccumulative Potential:** Data not available.

**Mobility in Soil:** Data not available.

**Other Adverse Effects:** Data not available.

#### 13: DISPOSAL CONSIDERATIONS

Disposal of this material should be in accordance with local, regional and national regulations.

#### 14: TRANSPORT INFORMATION

This product is not classified as hazardous for transportation.

**UN Number:** None

**UN Proper Shipping Name:** None

**Hazard Class:** None

**Packing Group:** None

**Marine Pollutant:** None

**Transport in Bulk:** N/A

**Other Information:** None

#### 15: REGULATORY INFORMATION

**U.S. REGULATIONS/REPORTING:** Components not subject to reporting (SARA 302/304, 313, CERCLA)

**STATE RIGHT-TO-KNOW STATUS:** Components are not subject to State RTK listing (MA, NJ, PA, RI)

**CALIFORNIA PROPOSITION 65:** Components are not present on CA Prop 65 listing.

**CANADA REGULATIONS/REPORTING:** This product has been classified in accordance with the hazard criteria of the Hazardous Product Regulation (*HPR*) and the SDS contains the information required by the *HPR*.

#### 16: OTHER INFORMATION

##### Abbreviations Used:

N/A - Not applicable

N/E - Not Established

N/L - Not Listed

##### Revision Information:

Aug. 30, 2016 - Logo change, email address, minor edits



Health: 2

Flammability: 0

Reactivity: 0



## **SAFETY DATA SHEET 421: READY TO USE**

Conforms to 1910.1200

Issued: Aug. 30, 2016

Supersedes: May 27, 2015

### **CLS TOPSHIELD**

---

Neither this data sheet nor any statement contained herein grants or extends any license, expressed or implied, in connection with patents issued or pending which may be the property of the manufacturer or others. The information in this data sheet has been assembled by the manufacturer based on its own studies and the work of others. The manufacturer makes no warranties, expressed or implied, as to the accuracy, completeness or adequacy of the information contained herein. The manufacturer shall not be liable (regardless of fault) or the vendee, the vendee's employees or anyone for any direct, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy or furnish of such information.

This SDS has been provided to you in accordance with the OSHA Hazard Communication Standard (29CFR1910.1200).

**\*\*IMPORTANT SAFETY INFORMATION\*\*DO NOT DISCARD\*\*PLEASE ROUTE TO COMPANY SAFETY OFFICER\*\***